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11321-P056US

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Khabashesku, et al.

Serial No.: 10/714,014

Filing Date: November 14, 2003

Art Unit: 1754

Title: *Method for Functionalizing Carbon Nanotubes Utilizing Peroxides*

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

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Applicant hereby submits the following references in accordance with 37 C.F.R. §§ 1.56, 1.97 and 1.98. Copies of the references cited in the attached PTO/SB/08A B are enclosed. Furthermore, pursuant to 37 C.F.R. § 1.97(g) and (h), no representation is made that this is material to patentability of the present application or that a search has been made.

Applicant hereby submits that claims of Applicant's referenced patent application are patentably distinguishable from these references.

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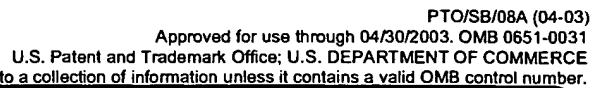
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11321-P056US 05/28/2004



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**(Use as many sheets as necessary)**

Sheet	1	of	4
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Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known)				
		WO 98/39250	09/11/98			
		WO 00/17101	03/30/00			
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Sheet 2 of 4

**NON PATENT LITERATURE DOCUMENTS**

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		Mickelson, et al., "Fluorination of single-wall carbon nanotubes", Chem. Phys. Lett. 296 (1998), pp. 188- 194	
		Boul, et al., "Reversible sidewall functionalization of buckytubes", 310 Chem. Phys. Lett. (1999), pp. 367-372	
		Saini, et al., "Covalent Sidewall Functionalization of Single Wall Carbon Nanotubes", J. Am. Chem. Soc. 125 (2003), pp. 3617-3621	
		Mickelson, et al., "Solvation of Fluorinated Single-Wall Carbon Nanotubes in Alcohol Solvents", J. Phys. Chem. B., Vol. 103 (1999), pp. 4318-4322	
		Khabashesku, et al., "Fluorination of Single-Wall Carbon Nanotubes and Subsequent Derivatization Reactions", 35 Acc. Chem. Res. Vol. (2002) pp. 1087-1095	
		Khabashesku, et al., "Chemistry of carbon nanotubes", Vol. 1, The Encyclopedia of Nanoscience and Nanotechnology, S. Nalwa, Ed., American Scientific Pub. (2004)	
		Stevens, et al., "Sidewall Amino-Functionalization of Single-Wall Carbon Nanotubes....." 3 (3) Nano Lett. (2003), pp. 331-336	
		Bahr, et al., "Functionalization of Carbon Nanotubes by Electrochemical Reduction...", 123 J. Am. Chem. Soc. (2001), pp. 6536-6542	
		Georgakilas, et al., "Organic Functionalization of Carbon Nanotubes", Vol. 124 (5) J. Am. Chem. Soc. (2002), pp. 760-761	
		Georgakilas, et al., "Purification of HiPCO Carbon Nanotubes via Organic Functionalization". Chem. Commun. (2002), pp. 14318-14319	

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		Pantarotto, et al., "Synthesis, Structural Characterization, and Immunological Properties of Carbon Nanotubes Functionalized..", 125 J. Am. Chem. Soc. (2003), pp. 6160-6164	
		Chen, et al., "Chemical attachment of organic functional groups to single-walled carbon nanotube material", 13 (9) J. Mater. Res. (1998), pp. 2423-2431	
		Chen, et al., "Solution Properties of Single-Walled Carbon Nanotubes", 282 Science (1998), pp. 95-98	
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		Kini, et al., "Two new synthetic routes to polyhydroxylated nanotubes", Rice Quantum Inst. Sixteenth Annual Summer Research Colloquium (August 9, 2002), Abtr. pg. 25	
		Bahr, et al., "Highly Functionalized Carbon Nanotubes Using in Situ Generated Diazonium Compounds", 13 Chem. Mater. (2001), pp. 3823-3824	
		Kooi, et al., "Electrochemical Modification of Single Carbon Nanotubes", 41 (8) Angew. Chem. Int. Ed. (2002), pp. 1353-1355	
		Tagmatarchis, et al., "Sidewall functionalization of single-walled carbon nanotubes through electrophilic addition", Chem. Commun. (2002), pp. 2010-2011	

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		Pekker, et al., "Hydrogenation of Carbon Nanotubes and Graphite in Liquid Ammonia", 105 J. Phys. Chem. B. (2001), pp. 7938-7943	
		Fontana, et al., "New General and Convenient Sources of Alkyl Radicals, Useful for Selective Syntheses", 29 Tetrahedron Lett. (1988), pp. 1975-1978	
		Chiang, et al., "Purification and Characterization of Single-Wall Carbon Nanotubes Obtained From the Gas-Phase.....", 105 J. Phys. Chem. B (2001), pp. 8297-8301	
		Arndt, et al., "Quinone - Annonaceous Acetogenins: Synthesis and Complex I Inhibition Studies .....", 7(5) Chem. Eur. J. (2001), pp. 993-1005	
		Gu, et al., "Cutting Single-Wall Carbon Nanotubes through Fluorination" 2(9) Nano Lett. (2002), pp. 1009-1013	

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